Exhibit IV. TFE Preliminary Guidelines Table, 7/29/2003								
Critical Spatial Frequency Range		3	to	50	cycles per aperture			
Power Spectral Density of primary mirror		as described in Exhibit VI						
Wavelength Range		550	nm	to	950	nm		
Coatings		Unprotected gold or equivalent						
Polarization		Minimize; Shall be estimated in proposal, and modelled at the end of the study						
Reflectance		Unprotected gold or equivalent						
Reflectance Uniformity		+/- 0.1% rms over critical spatial frequencies						
Telescope f/#		12.3	+/- 0.1	matching 64x64 deformable mirror in testbed				
Operational Environment		(verication by design or analysis)						
Operational Temperature		22	+/-2	C				
Operational Temperature Gradients		<	1000	mK per meter		in x,y or z		
		<	50	mK per centimeter		in x,y or z		
Operational Temperature Transient		<	25	mK per hour		in x,y or z		
		<	2	mK per 60 seconds		in x,y or z		
Storage Temperature		10	to	35	C			
Operational Pressure		</=	2	torr				
Storage Pressure		</=	1000	torr				
Depressuization Rate			5	%/sec				
Storage Humidity			100	%	for 1 year			
Operational Lifetime			8	years				
Cleanliness		Class	300 or better					
Cleanability		Particles		yes				
		Molecular		yes				
Storage Shock		3	g					
Interfaces		(negotiatable)						
Mass		</=	120	kg				
Optical Bench Interface		Subcontractor provided, kinematic, attached to (-x) end of optical bench						
Optical Interface		Pupil shall be placed at the plane and angle of the HCIT deformable mirror						
Thermal sources and sinks		Within the vacuum chamber, any source or sink larger than 0.01 watt shall be identified and both DC and transient effects discussed						
Vibration sources		Within the vacuum chamber, any sporadic or continuous vibration or impulse shall be identified and mitigated						